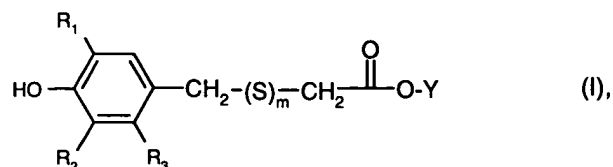


Claims

1. A product obtainable by reacting

a) At least one compound



wherein

one of R_1 and R_2 independently of one another represents hydrogen or a substituent selected from the group consisting of C_1 - C_{18} alkyl, phenyl, $(\text{C}_1$ - C_4 alkyl) $_{1,3}$ phenyl, phenyl- C_1 - C_3 alkyl, $(\text{C}_1$ - C_4 alkyl) $_{1,3}$ phenyl- C_1 - C_3 alkyl, C_5 - C_{12} cycloalkyl and $(\text{C}_1$ - C_4 alkyl) $_{1,3}$ C_5 - C_{12} cycloalkyl;

and the other one represents a substituent selected from the group consisting of C_1 - C_{18} alkyl, phenyl, $(\text{C}_1$ - C_4 alkyl) $_{1,3}$ phenyl, phenyl- C_1 - C_3 alkyl, $(\text{C}_1$ - C_4 alkyl) $_{1,3}$ phenyl- C_1 - C_3 alkyl, C_5 - C_{12} cycloalkyl and $(\text{C}_1$ - C_4 alkyl) $_{1,3}$ C_5 - C_{12} cycloalkyl;

R_3 represents hydrogen or methyl;

Y represents hydrogen or C_1 - C_6 alkyl; and

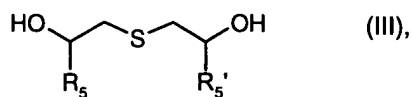
m represents zero or 1; with

b) At least one compound



wherein R_4 represents C_4 - C_{25} alkyl; and;

c) At least one compound



wherein R_5 and R_5' independently of one another represent hydrogen or C_1 - C_6 alkyl.

2. A product obtainable by reacting

- a) At least one compound (I), wherein one of R_1 and R_2 represents methyl or tert-butyl and the other one of R_1 and R_2 represents tert-butyl; R_3 represents hydrogen; Y represents C_1 - C_8 alkyl; and m represents zero or one; and
 - b) At least one compound (II), wherein R_4 represents C_5 - C_{18} alkyl; and;
 - c) At least one compound (III), wherein R_5 and R_5' represent hydrogen.
3. A product obtainable by reacting
- a) At least one compound (I), wherein one of R_1 and R_2 represents methyl or tert-butyl and the other one of R_1 and R_2 represents tert-butyl; R_3 represents hydrogen; Y represents methyl and m represents zero; and
 - b) At least one compound (II), wherein R_4 represents C_5 - C_{18} alkyl; and;
 - c) At least one compound (III), wherein R_5 and R_5' represent hydrogen.
4. A product obtainable by reacting
- a) A mixture comprising a compound (I), wherein R_1 and R_2 represent tert-butyl; R_3 represents hydrogen; Y represents methyl and m represents zero; and
A compound (I), wherein one of R_1 and R_2 represents methyl and the other one tert-butyl; R_3 represents hydrogen; Y represents methyl and m represents zero; and
 - b) At least one compound (II), wherein R_4 represents C_5 - C_{18} alkyl; and;
 - c) At least one compound (III), wherein R_5 and R_5' represent hydrogen.
5. A composition comprising
- A) A product according to claim 1; and
 - B) A functional fluid subject to oxidative, thermal or light induced degradation.
6. A composition comprising
- A) A product according to claim 1; and
 - B) A base oil of lubricating viscosity.
7. A process for preparing a liquid mixture of phenolic sulphur-containing antioxidants, which comprises reacting
- a) At least one compound (I), wherein R_1 , R_2 , R_3 , Y and m are as defined in claim 1, with

- b) At least one compound (II), wherein R_4 is as defined in claim 1; and
 - c) At least one compound (III), wherein R_5 and R_5' are as defined in claim 1.
8. A process for stabilising a composition of matter subject to oxidative, thermal or light induced degradation, which comprises adding to said composition of matter at least one product according to claim 1.